

Title (en)

AQUEOUS COATING MATERIAL COMPOSITION AND COATING FILM FORMING METHOD

Title (de)

WÄSSRIGE BESCHICHTUNGSMATERIALZUSAMMENSETZUNG UND BESCHICHTUNGSFILMFORMUNGSVERFAHREN

Title (fr)

COMPOSITION AQUEUSE DE MATÉRIAU DE REVÊTEMENT ET PROCÉDÉ DE FORMATION DE FILM DE REVÊTEMENT

Publication

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Application

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Abstract (en)

The objective of the present invention is to provide an aqueous coating composition which has excellent curability at low temperatures. The present invention provides an aqueous coating composition which contains an aqueous resin having a hydroxyl group and a carboxyl group (A), a water-dispersible blocked polyisocyanate compound (B), a hydrophilicized carbodiimide compound (C), and an aqueous polyurethane resin (D), wherein the aqueous resin having a hydroxyl group and a carboxyl group (A) has a hydroxyl value of 80 to 200 mgKOH/g and an acid value of 10 to 40 mgKOH/g in terms of resin solid content, the aqueous polyurethane resin (D) has a glass transition point (T_g) of -50°C or less, and a cured film of the aqueous polyurethane resin (D) has an elongation at break of 400% or more at -20°C.

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